



DR. M.C. BRADBROOK
Scholar at Festival

English Scholar Visits Festival; Attends 4 Plays

Ashland — Dr. M. C. Bradbrook, English scholar and faculty member of Girton college, Cambridge, England, was a guest of the Oregon Shakespearean Festival's Institute of Renaissance Studies last week, and attended the four productions of Shakespeare.

"Of course I have heard and read about the Festival for years," Dr. Bradbrook said, "and have long hoped to come here.

"The fast playing style here is most striking," she added, "and the free movement from scene to scene is really beautifully done."

On Thursday Dr. Bradbrook returned to southern California to complete special research at the Huntington Library. She has been in this country for a year, working in several library collections, including that at the Folger Library, and has also attended conferences at various colleges.

Productive Scholar

An active and productive scholar, Dr. Bradbrook is the author of many volumes, and has made a significant contribution to the field of English Literature. Among her several works are "Elizabethan Stage

Grange News

Enterprise Grange
At the last meeting of the Enterprise Grange Mr. and Mrs. Earl Temple were reinstated to membership. They had been members of the Trout Lake Grange in Washington.

Mr. and Mrs. Jack Hurley were obligated in the first and second degrees and will accompany Master King to Gold Hill for complete initiation. Mr. and Mrs. Hurley visited Oregon several times before moving from the San Fernando Valley to Evans Valley.

A discussion of flood control and irrigation, in reference to past flood damage and current water shortage, brought out the necessity of Grange members taking a more active part by attending the Rogue Basin Water Resources and Flood Control association meetings.

Douglas Hart, who has been elected chairman of the Rogue River Community Chest, advised the Grange that appointments of Grange representatives should be made as soon as possible so the Community Chest work may be organized. Mr. and Mrs. Jimmie King have served on the committee for several years.

During the report on agricultural, it was noted that a new theory concerning bloat in cattle has been advanced. Bloat may be an hereditary factor and follow lines of breeding, and the farmer is advised to cull cows to improve herd resistance to bloat.

A small raise in Grade A milk prices was announced but the drop in milk production caused by dry pastures and the increased cost of prices, will keep the farmer from realizing any profit from the raise.

The Home Economics club held a reactivation meeting at the home of the chairman, Mrs. Gladys Boulter, recently.

The date for the annual fall carnival was tentatively set for Sept. 19, at the Enterprise Grange hall. The committees have not yet been officially announced but all members are urged to be ready with ideas and suggestions. The next club meeting will be held early in September.

Refreshments were served during the social hour by Mr. and Mrs. King and Mrs. George Barrie.

Pilots Fly Through Sound Barrier As Everyday Occurrence

(Editor's note: This is the first in a series of two articles discussing the sonic boom. The material was prepared by the office of information services, 408th Fighter Group, Kingsley field, Klamath Falls.)

By M/SGT. CHARLES J. BENNETT
Kingsley Field

In the growing days of aviation the sonic barrier was established in the minds of many as some mysterious wall against which an aircraft in flight might shatter and fall to the ground.

With the advent of the jet engine, it has become an everyday occurrence for pilots to fly through the sound barrier with only a flicker of an air speed indicator needle to let them know. It is understandable that a person on the ground, hearing the thunder-like clap, still attaches some mystery to this sound which results from flying faster than the speed of sound.

The sonic boom—man's jet made thunder clap—has become the sound of security in today's troubled world. And as the price of increased vigilance goes up, so will sonic booms get louder and be heard more frequently.

Become Commonplace
In the near future sonic booms will become as commonplace as the sound of trains rattling through the countryside or trucks rumbling through city streets.

An explanation of the cause of a sonic boom is as simple as nature's law of sound. Basically, sound is created by wavelets of varying pressure striking the ear. They are the result of any surge of energy.

Generally, they can be compared to the ripples created by a rock thrown into a still pond. Ordinary conversation is actually a series of pressure wavelets pulsating against the ear, much as the ripples of water gently slap the shore of the pond.

Strong Pressure
By these standards, an explosion is no more than a strong pressure wave pushed by a sudden strong release of energy. Such a tidal wave of pressure is commonly recognized as the explosive sound

of a dynamite blast or the thunder clap following jagged streaks of lightning during a storm. Descriptive of these strong waves of pressure is their name—shock waves.

In the days of slower flying aircraft the boom was an isolated phenomenon, a stunt performed by a diving fighter pilot to impress a crowd or test an engine. When the plane exceeded the speed of sound a loud boom was produced, but only in a single localized area.

One Major Wave
Today, airplanes such as the F-101s assigned to the Kingsley field, give birth to these shock waves when in level flight.

As the plane's speed reaches the speed of sound, one major shock wave surrounds the nose of the airplane and smaller waves of less intensity spring from the wing, canopy and tail surfaces, and remain attached there as long as supersonic speed is maintained. Instead of a single sharp boom, there is a continuous roar which crosses the countryside as the plane flies along.

Certainly, the speed of the nation's airplanes will continue to increase if the aviation industry is to make additional progress. It is equally certain that the increased speed will create shock waves and sonic boom of greater intensity. Swift fighter interceptors guarding the nation against possible air attack, for instance, challenge every unidentified plane crossing the nation's borders. They must make their intercept wherever the unknown plane is found and identify it.

The sound of thunder has become so commonplace to man that even a thunder clap in the spring is hardly enough to make him register alarm. Thunder-like sounds from a clear sky—aviation's sonic boom—should become no more than interesting phenomena heralding the achievement of supersonic flight in the development of military aviation.

The state of New York is the nation's leader in the mining and production of titanium, rock salt, emery and garnet.

Conditions," "Themes and Conventions of Elizabethan Tragedy," "Shakespeare and Elizabethan Poetry," and "The Growth and Structure of Elizabethan Comedy."

To honor the Queen's coronation, she compiled an anthology of Tudor verse for the Royal Society of Literature. Called "The Queen's Garland," the collection was presented to Elizabeth II. Currently Dr. Bradbrook is gathering data for a forthcoming volume on Elizabethan actors.

After spending considerable time touring Ashland, she commented on the "fresh look" of the town, and was especially pleased with the Festival's new theater and the rare books and manuscripts collection at the Ashland Public Library.

Attends Dinner

Last Tuesday, prior to the "King John" performance, Institute Director Dr. Margery Bailey entertained Dr. Bradbrook at dinner. Attending were Joseph Whitney, fellow in the 1959 Institute; Dolores Cunningham, Institute Professor for 1959; Jerome Clinton, Dr. Bailey's assistant; and two Festival actors who have studied recently in England—David O'Brien and Dion Chesse.

Dr. Bradbrook, intensely interested in theater, discussed the current theatrical revival in England and inquired into the production details of the Oregon Shakespearean Festival.

In traveling here from Pasadena, Dr. Bradbrook visited the Redwood country of California. She will conclude her Huntington research this fall and return home to England by the end of September.



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